

Subject Index to Volume 34

A

- Acetohydroxamic acid, transport by urea pathway, terminal inner medullary collecting duct, F385
- Acetylcholine, renal response to, muscarinic receptor effects, F46
- Acid-base balance
 - phosphate depletion and, kidney cells, F440
 - potassium-hydrogen antiport and, renal epithelial cells (opossum), F773
- Acidification, sodium-hydrogen exchanger isoform, renal brush border, F736
- Acidosis
 - distal renal tubular, hydrogen-potassium-ATPase in, F875
 - intracellular, renal ischemic injury, F130
 - metabolic
 - bone carbonate response to, F530
 - carbonic anhydrase II mRNA effects, renal cortex, F764
- Adenosine
 - endogenous, control of glomerular and tubular function, F504
 - nitric oxide interactions, kidney, F651
 - renin secretion and, macula densa, F187
 - receptors: *see* Receptors
 - sodium-bicarbonate cotransport and, proximal convoluted tubules, F511
- Adenosine monophosphate, cyclic
 - AVP-induced accumulation, endothelin and, inner medullary collecting duct, F126
 - changes, ultrastructure of inner medullary collecting duct, F225
 - endothelin receptor effects, inner medullary collecting duct, F670
 - oxytocin and vasopressin effects, inner medullary collecting duct, F26
 - oxytocin effects, cortical collecting duct cells, F487
 - regulation of sodium-potassium-ATPase and, kidney, F743
 - sodium and water transport stimulated by, epinephrine inhibition, cortical collecting duct, F449
 - urea and water transport dynamics, inner medullary collecting duct, F204
 - urea transport, intracellular calcium role in, IMCD, F272
 - vasodilators mediated by, interactions with angiotensin II, kidney, F845
- Adenosine triphosphatase
 - proton-translocating, intracellular pH, OMCD cells, F729
 - renal ischemic injury, F130
- Adenosine triphosphate
 - depletion
 - apical sodium-potassium-ATPase redistribution after, F693
 - resistance to chemical anoxia, MDCK cells, F342
 - proximal tubules depleted in, conservation of structure, F605
 - transport, oxidant-induced alterations, LLC-PK₁ cells, F377
 - Adenylate cyclase, TGF- β 1 regulation, signal transduction in renal cells, F584
 - α -Adrenergic sensitivity, renal interlobar arteries, pregnancy, F309

- Adriamycin, nephrosis, adaptation to proteinuria in, F257
- Aldosterone, 11 β -hydroxysteroid dehydrogenase effects, *Xenopus* oocytes, F896
- Alkali, treatment, intracellular pH regulation and, OMCD cells, F729
- Alkalosis, cell pH regulation and, OMCD cells, F729
- Amiloride
 - hydrogen-potassium-ATPase after, distal tubules, F875
 - sodium-potassium-ATPase activity, adrenergic receptor effects, distal convoluted tubule cells, F561
- Amino acids
 - transport
 - renal epithelial cell lines, F137
 - renal papilla, F830
 - turnover, adriamycin nephrosis, F257
 - Ammonium chloride, metabolic acidosis, carbonic anhydrase II mRNA effects, renal cortex, F764
 - Analbuminemia, extrahepatic lipogenesis increased in, F70
 - Anesthesia, epidural, adrenergic regulation of renin, kidney, F686
 - Angiotensin, renin secretion and, macula densa, F187
 - Angiotensin-converting enzyme, renal renin-angiotensin system, diabetes, F477
 - Angiotensin II
 - adenosine receptor-mediated vasoconstriction with, kidney, F651
 - glomerular receptor subtypes, renal development, F264
 - hydronephrotic kidney, angiotensin receptor subtypes in, F881
 - interactions with cAMP-mediated vasodilators, during hypertension, kidney, F845
 - proliferative synergy of, aortic vascular smooth muscle cells (pig), F239
 - receptors: *see* Receptors
 - stimulation of basolateral sodium-bicarbonate transporter, renal cortex, F195
 - Anion exchanger 1, kidney and oncocy-toma, F813
 - Anoxia, chemical, MDCK cell resistance to, F342
 - Aquaporins
 - CHIP, F463
 - water channel proteins, F461
 - L-Arginine
 - renal microvessels and, F285
 - transport, renal papilla, F830
 - Arterioles, renal, depolarization effects on intracellular calcium, F677
 - ATPase: *see* Adenosine triphosphatase; Hydrogen-potassium-ATPase; Sodium-potassium-ATPase
 - ATP: *see* Adenosine triphosphate
 - Atrial natriuretic peptides
 - calcium transients induced by, renal cortical thick ascending limb cells, F592
 - secretion, cardiac innervation and, transplanted heart, F112

- sodium transport and, inner medullary collecting duct, F159
- Atropine, acetylcholine and, renal response, F46
- Autoregulation, renal, adrenergic regulation of, F686
- AVP: *see* Vasopressin, arginine

B

- Bafilomycin
 - hydrogen-potassium-ATPase and, inner medullary collecting duct, F698
- Sch-28080 and, hydrogen secretion, bladder (turtle), F174
- Basic fibroblast growth factor, renal compensatory growth, peritubular endothelial cell proliferation, F712
- Bicarbonate
 - bone, response to metabolic acidosis, F530
 - conductance, adenosine and, proximal convoluted tubules, F511
 - reabsorption, angiotensin II effects, renal cortex, F195
- Blood flow: *see also* Circulation
 - intrarenal, disparate effects of adenosine receptors, F802
 - renal
 - adrenergic regulation of, F686
 - reduced perfusion pressure effects, F886
 - tubular handling of fluid and electrolytes, pregnancy (sheep), F278
 - renal cortex, EDRF effects, F285
- Blood pressure: *see also* Pressure
 - cAMP-mediated vasodilators, interactions with angiotensin II, kidney, F845
 - continuous telemetric monitoring, remnant kidney model, F391
 - developing hypertension, vascular interactions of prostanoids, kidney, F250
 - genetic hypertension, angiotensin receptor sites in renal vasculature, F853
 - posttransplant, source of grafted kidney effects, F104
- Bone, carbonate content, response to metabolic acidosis, F530
- Brain, sodium-calcium exchanger isoforms, expressed in kidney, F598
- Brain stem, pressor areas, glutamate activation of bladder motility, F520
- Brush-border membrane, renal, inorganic phosphate transport (chick), F822
- Brush-border membrane vesicles
 - cystine loading, Fanconi's syndrome, F839
 - solute transport, thyroid hormone effects, F323

C

- Calcitonin, transport, vitamin D₃ effects, distal convoluted tubule cells, F300
- Calcium
 - citrate and, Tamm-Horsfall glycoprotein, F784
 - intracellular
 - depolarization effects, renal arterioles, F677

Calcium (*continued*)

- osmolarity-stimulated urea transport and, IMCD, F272
- PKC activation and, cortical collecting duct, F569
- prostaglandin effects, cortical collecting duct, F643
- vasopressin effects, medullary collecting tubules, F35
- ion concentration changes, during regulatory volume decrease, F77
- mobilization, vasopressin- and oxytocin-mediated, inner medulla, F15
- role in ATP-depletion, proximal tubules, F605
- transport
 - insulin stimulation, nephron, F361
 - vitamin D₃ effects, distal convoluted tubule cells, F300
- Calcium channels, voltage-channels, depolarization and, renal arterioles, F677
- Calcium oxalate, crystal aggregation, Tamm-Horsfall glycoprotein, F784
- Calcium transients, ANP-induced, renal cortical thick ascending limb cells, F592
- Calvaria, bone carbonate, response to metabolic acidosis, F530
- cAMP: *see* Adenosine monophosphate, cyclic
- Carbonate, bone, response to metabolic acidosis, F530
- Carbon dioxide, bone, response to metabolic acidosis, F530
- Carbonic anhydrase II mRNA, chronic metabolic acidosis, kidney cortex, F764
- cGMP: *see* Guanosine monophosphate, cyclic
- Chloride, ion concentration changes, during regulatory volume decrease, F77
- Cholesterol, synthesis, extrahepatic lipogenesis increased in analbuminemia, F70
- Circulation: *see also* Blood flow
 - renal
 - renovascular rC5a effects, F96
 - vascular interactions of prostanoids and, hypertension, F250
- Citrate, calcium and, Tamm-Horsfall glycoprotein, F784
- Collagen, type IV, developing kidney, F293
- Complement C5b-9, activation, phosphatidylcholine-directed phospholipase C, F551
- COOH-terminal methylation, kidney cortex, F316
- Coupling, dynamic short-term, arterial pressure and urine flow, F717
- N⁶-Cyclohexyladenosine, sodium-bicarbonate cotransport and, proximal convoluted tubules, F511
- Cyclooxygenase
 - blocker, renin secretion and, F530
 - synthesis, macula densa and, F578
- Cysteine, aquaporin CHIP, F463
- Cystine, loading, Fanconi's syndrome and, F839
- Cystinosis, Fanconi's syndrome, F839
- Cytochrome-c oxidase, renal ischemic injury, F130
- Cytoprotection, heat stress protein-associated, inner medullary collecting duct cells, F333

D

- Deoxyribonucleic acid, synthesis, aortic vascular smooth muscle cells (pig), F239
- Depolarization, intracellular calcium and, renal arterioles, F677
- Development: *see also* Growth
 - fetal, aquaporin CHIP, F463
 - kidney
 - angiotensin II subtype receptors in, F264
 - laminin A in, F293
 - regulation of kallikrein activity, kidney, F146
- Diabetes
 - perfusion pressure, renal hemodynamics and, F886
 - renin-angiotensin system in, renal, F477
- Diabetes mellitus, growth hormone insulin-like growth factor axis, kidney, F1
- Diacylglycerol, complement C5b-9 activation, phospholipase C, F551
- Digitonin, renin release and, permeabilized juxtaglomerular cells, F87
- Digoxigenin, α - and β -isoforms of sodium-potassium-ATPase, mRNA encoding, kidney, F792
- Diuresis, pressure, dynamic short-term coupling during, F717
- Dorsal medulla, neurons, glutamate activation of bladder motility, F520

E

- Echocardiography, ANP secretion, cardiac innervation and, F112
- EDRF: *see* Endothelium-derived relaxing factor
- EGF: *see* Epidermal growth factor
- Eicosanoids, regulation of sodium-potassium-ATPase and, kidney, F743
- Electrolytes, handling, tubular, during pregnancy (sheep), F278
- Endocytosis
 - inner medullary collecting duct, structural-functional correlations in, F225
 - water and urea permeability, vasopressin regulation, inner medullary collecting duct, F214
- Endothelial cells, peritubular proliferation, during compensatory renal growth, F712
- Endothelin
 - autocrine role of, inner medullary collecting duct, F126
 - receptors: *see* Receptors
 - sodium transport and, inner medullary collecting duct, F159
- Endothelin-1 mRNA, glomerular and epithelial cells, kidney, F542
- Endothelium-derived relaxing factor
 - renal
 - hemodynamic response and, reduced perfusion pressure, F886
 - ischemic injury, F130
 - microvessels and, F285
 - renin secretion and, renal juxtaglomerular cells, F180
- Epidermal growth factor
 - axis, kidney, F1
 - proliferative synergy of, aortic vascular smooth muscle cells (pig), F239
 - sodium transport and, inner medullary collecting duct, F159

- Epinephrine, inhibition, sodium and water transport, cortical collecting duct, F449
- Epithelial cells
 - renal
 - pH regulation by potassium-hydrogen antiport (opossum), F773
 - taurine transport, F137
- Erythrocytes
 - exchanger, kidney and oncocyoma, F813
 - urea pathway, acetohydroxamic acid transport, F385
- Erythroleukemic cells, carbonic anhydrase II mRNA effects, chronic metabolic acidosis, kidney cortex, F764
- Exocytosis
 - renin release, permeabilized juxtaglomerular cells, F87
 - renin secretion and nitric oxide, renal juxtaglomerular cells, F180
 - water and urea permeability, vasopressin regulation, inner medullary collecting duct, F214

F

- Fanconi's syndrome, cystine loading and, F839
- Fatty acids
 - free, resistance to chemical anoxia, MDCK cells, F342
 - synthesis, extrahepatic lipogenesis increased in analbuminemia, F70
- Feeding, low-protein, modulation of angiotensin II receptors by, F660
- Fetus: *see also* Pregnancy
 - development, aquaporin CHIP, F463
 - phosphate transport, gentamicin exposure effects, kidney, F807
- Fibroblast growth factor, stimulation of sodium-hydrogen exchanger, mesangial cells, F53
- Filtration, glomerular, tubular handling of fluid and electrolytes, pregnancy (sheep), F278
- FK-453, adenosine effects and, glomerular and tubular function, F504
- Flow, urine, dynamic short-term coupling during, F717
- Flow cytometry, proliferative synergy of angiotensin II and EGF aortic vascular smooth muscle cells (pig), F239
- Flowmetry, laser-Doppler, disparate effects of adenosine receptors, F802
- Flufenamic acid, synthesis, macula densa and, F578
- Fluid, handling, tubular, during pregnancy (sheep), F278
- Fluorescence
 - renin distribution, kidney, F151
 - vasopressin effects on calcium, medullary collecting tubules, F35
- Flurbiprofen, synthesis, macula densa and, F578

G

- Gene expression
 - angiotensin-receptor, low-protein feeding and, F660
 - kallikrein enzymatic activity and, developmental regulation, kidney, F146
 - sodium-potassium-ATPase, T₃ stimulation of, mesangial cells, F370
- Gene regulation, PDGF and, mesangial cells, F351

Gentamicin
exposure, phosphate transport and, kidney, fetus, F807
mobilization of iron induced by, renal cortical mitochondria, F435
Glomerulosclerosis, blood pressure monitoring and, remnant kidney model, F391
Glucocorticoids, expression and characterization, *Xenopus* oocytes, F896
Glucose, transport, oxidant-induced alterations, LLC-PK₁ cells, F377
Glutamate, activation, neurons, urinary bladder motility and, F520
 γ -Glutamyltranspeptidase, turnover, apical and basolateral secretion in, LLC-PK₁ cells, F723
Glutathione, turnover, apical and basolateral secretion in, LLC-PK₁ cells, F723
Glycine, role in ATP-depletion, proximal tubules, F605
Glycoprotein, Tamm-Horsfall, citrate and calcium effects, F784
Granular cells, renal, endothelin-1 mRNA in, F542
Growth: *see also* Development
regulation, kidney, peritubular endothelial cell proliferation and, F712
Growth factors, mitogenic signaling mediated by, protein kinase C- α effects, mesangial cells, F634
Guanosine monophosphate, cyclic, secretion, cardiac innervation and, transplanted heart, F112
Guanosine triphosphate, cyclic, COOH-terminal methylation, kidney cortex, F316

H

Heart
failure, experimental, renal ANP receptors in, F119
innervation, ANP secretion and, transplanted heart recipients, F112
sodium-calcium exchanger isoforms, expressed in kidney, F598
transplanted, cardiac innervation and ANP secretion, F112
Heat stress protein 70, cytoprotection associated with, inner medullary collecting duct cells, F333
Henle's loop, microinfusion, basic amino acid transport, F830
Heparan sulfate proteoglycan, developing kidney, F293
Hepatocyte growth factor, regeneration and, acute renal injury, F61
L-Homoarginine, transport, renal papilla, F830
Hormonal regulation, sodium transport, inner medullary collecting duct, F159
Hydralazine, renal ischemic injury, F130
Hydrogen, secretion, Sch-28080 and bafilomycin inhibition, bladder (turtle), F174
Hydrogen peroxide
alterations induced by, glucose and phosphate transport, LLC-PK₁ cells, F377
iron mobilization and, renal cortical mitochondria, F435
Hydrogen-potassium-ATPase
acidosis and, distal tubules, F875
inner medullary collecting duct, primary culture, F698

Sch-28080 and bafilomycin inhibition, urinary hydrogen secretion (turtle), F174
Hydronephrosis, split kidneys, renovascular C5a effects, F96
11 β -Hydroxysteroid dehydrogenase, expression and characterization, *Xenopus* oocytes, F896
5-Hydroxytryptamine: *see* Serotonin
Hyperlipidemia, extrahepatic lipogenesis and, analbuminemia, F70
Hypertension
cAMP-mediated vasodilators, interactions with angiotensin II, kidney, F845
developing, vascular interactions of prostanoids, kidney, F250
genetic, angiotensin receptor sites in renal vasculature, F853
glomerulosclerosis and, remnant kidney model, F391
posttransplant, source of grafted kidney effects, F104
renal renin-angiotensin system, diabetes, F477
sodium and water transport, epinephrine inhibition, cortical collecting duct, F449
Hyperthermia, cytoprotection, inner medullary collecting duct cells, F333
Hypotension, adrenergic regulation, renin secretion, F686
Hypoxia, medullary, disparate effects of adenosine receptors, F802

I

IGF: *see* Insulin-like growth factor
IMCD: *see* Kidney medulla, inner collecting duct
Immunolocalization, sodium-calcium exchanger, kidney, F327
Indomethacin, acetylcholine and, renal response, F46
Insulin, stimulation, sodium chloride transport, nephron, F361
Insulin-like growth factor, axis, kidney, F1
Insulin-like growth factor I, absorption and binding, proximal tubules, F624
Interlobular artery, hydronephrotic kidney, angiotensin receptor subtypes in, F881
Intestine
inorganic phosphate transport, phosphonoformic acid effects, F756
22-oxacalcitriol, osteosarcoma cells (chick), F705
Iron, mobilization, gentamicin-induced, renal cortical mitochondria, F435
Iron chelators, alterations induced by, glucose and phosphate transport, LLC-PK₁ cells, F377
Ischemia, ATP depletion, apical sodium-potassium-ATPase redistribution after, F693
Isoprenylation, COOH-terminal methylation, kidney cortex, F316

J

Juxtaglomerular apparatus
renin secretion, angiotensin and adenosine effects, F187
renin secretion stimulated by macula densa, prostaglandin synthesis inhibition on, F578
Juxtaglomerular cells, permeabilized, renin release from, F87

K

Kallikrein, enzymatic activity, developmental regulation, kidney, F146
Kidney
acute injury, regeneration, hepatocyte growth factor and, F61
adenosine receptor-mediated vasoconstriction, with nitric oxide and angiotensin II, F651
 α - and β -isoforms of sodium-potassium-ATPase, mRNA encoding, F792
arterioles, depolarization effects on intracellular calcium, F677
brush border
sodium-hydrogen exchanger isoform in, F736
thyroid hormone effects on solute transport, F323
cAMP-mediated vasodilators, interactions with angiotensin II during hypertension, F845
compensatory growth, peritubular endothelial cell proliferation, F712
developing hypertension, vascular interactions of prostanoids in, F250
development
angiotensin II subtype receptors in, F264
laminin A in, F293
failure
growth hormone insulin-like growth factor axis, F1
ischemia-induced, sodium azide protection, F130
function, dynamic short-term coupling during, F717
hemodynamics
abnormal, renal perfusion pressure and, diabetes, F886
adrenergic regulation of, F686
Henle thin limb, ultrastructure (chinchilla), F863
hydronephrotic
angiotensin receptor subtypes in, F881
renovascular C5a effects, F96
IGF absorption and binding, proximal tubules, F624
inorganic phosphate transport, phosphonoformic acid effects, F756
interlobar arteries, endothelial modulation of, pregnancy, F309
kallikrein activity, developmental regulation, F146
microvessels, EDRF effects, F285
oncocyoma and, anion exchanger 1, F813
perfusion pressure, hemodynamics and, in diabetes, F886
phosphate transport, gentamicin exposure effects, fetus, F807
posttransplantation hypertension, source of grafted kidney effects, F104
remnant, blood pressure monitoring and glomerular injury, model, F391
renin-angiotensin system, diabetes, F477
renin distribution, direct visualization of, F151
response to acetylcholine, muscarinic receptor effects, F46
sodium-calcium exchanger isoforms expressed in, F598
sodium-calcium exchanger immunolocalization, F327
sodium-potassium-ATPase activity, short-term regulation of, F743

- Kidney (*continued*)
 thick ascending limb, insulin and sodium-chloride transport, F361
 vasculature, angiotensin receptor sites in, genetic hypertension, F853
- Kidney cells
 cortical thick ascending limb, ANP-induced calcium transients in, F592
 distal convoluted
 sodium-potassium-ATPase activity, α_2 -adrenergic receptor effects, F561
 vitamin D₃ effects on calcium transport, F300
 epithelial, taurine transport, F137
 glomerular and epithelial, endothelin-1 mRNA in, F542
 inner medullary collecting duct, heat stress protein-associated cytoprotection, F333
 ion concentration changes, during regulatory volume decrease, F77
 juxtaglomerular, renin secretion and nitric oxide in, F180
 outer medullary collecting duct, alkali treatment on intracellular pH, F729
 phosphate depletion, sodium-hydrogen antiporter and, F440
 pH regulation, potassium-hydrogen antiporter (opossum), F773
 proximal tubular, resistance to chemical anoxia, F342
 signal transduction in, TGF- β 1 regulation in, F584
 tubular, regeneration, hepatocyte growth factor and, F61
- Kidney cortex
 basolateral sodium-bicarbonate transporter, stimulation by angiotensin II, F195
 chronic metabolic acidosis, carbonic anhydrase II mRNA effects, F764
 collecting duct
 calcium and PKC activation in, F569
 epinephrine inhibition of transport, F449
 oxytocin effects on apical sodium conductance, F487
 prostaglandin receptor modulation of water and sodium transport, F643
 COOH-terminal methylation in, F316
 mitochondria, gentamicin effects on iron mobilization, F435
 thick ascending limb, ANP-induced calcium transients in, F592
- Kidney glomerulus
 ANP receptors, experimental heart failure, F119
 function, endogenous adenosine in control of, F504
 injury, remnant kidney model, F391
 ion concentration changes, during regulatory volume decrease, F77
- Kidney medulla
 Henle thin limb, ultrastructure (chinchilla), F863
 inner collecting duct
 acetohydroxamic acid transport, F385
 autocrine role of endothelin in, F126
 endothelin receptors in, F670
 hormonal regulation of sodium transport, F159
 hydrogen-potassium-ATPase in, F698
 oxytocin and vasopressin regulation of water permeability, F26
 structural-functional correlations in, F225
 urea and water permeability, vasopressin effects, model, F214
 urea and water transport in, F204
 vasopressin- and oxytocin-mediated calcium mobilization, F15
 inner collecting duct cells, heat stress protein-associated cytoprotection, F333
 inner medullary duct, osmolarity-stimulated urea transport, F272
- Kidney papilla
 amino acid transport, F830
 ANP receptors, experimental heart failure, F119
 Henle thin limb, ultrastructure (chinchilla), F863
- Kidney tubules
 collecting, sodium-calcium exchanger immunolocalization, F327
 distal, hydrogen-potassium-ATPase in, F875
 fluid and electrolyte handling, pregnancy (sheep), F278
 function, endogenous adenosine in control of, F504
 glomerular and epithelial cells, endothelin-1 mRNA in, F542
 inner medullary collecting, endothelin receptors in, F670
 medullary collecting, vasopressin effects on calcium, F35
 proximal
 ATP-depleted, structure of, F605
 cell pH regulation by potassium-hydrogen antiporter (opossum), F773
 glutathione turnover in, F723
 IGF absorption and binding, F624
 inorganic phosphate transport (chick), F822
 proximal straight, ion concentration during regulatory volume decreases, F77
- Kinins, sodium transport and, inner medullary collecting duct, F159
- ## L
- Laminin A, localization, developing kidney, F293
 Leucine, turnover, adriamycin nephrosis, F257
 Leukotrienes, cysteinyl, hydronephrotic kidneys, F96
 Lipogenesis, extrahepatic, hyperlipidemia in analbuminemia and, F70
 Lipoxygenase, blocker, renin secretion and, F530
 Lithium, hydrogen-potassium-ATPase after, distal tubules, F875
 LLC-PK₁ cells
 oxidant-induced alterations, glucose and phosphate transport, F377
 signal transduction in, TGF- β 1 regulation in, F584
 sodium-potassium-ATPase redistribution, during ATP depletion, F693
 taurine transport, polarity of, F137
 Locus ceruleus, neurons, glutamate activation of bladder motility, F520
 L-Lysine, transport, renal papilla, F830
- ## M
- Macula densa
 renin secretion stimulated by hormonal effects, F187
 prostaglandin synthesis inhibition on, F578
 Magnesium, transport, insulin stimulation, nephron, F361
 MDCK cells
 resistance, chemical anoxia, F342
 taurine transport, polarity of, F137
 Membrane
 apical
 secretion, glutathione turnover and, LLC-PK₁ cells, F723
 sodium conductance, cortical collecting duct, F487
 basement, laminin A in, developing kidney, F293
 basolateral
 secretion, glutathione turnover and, LLC-PK₁ cells, F723
 sodium-potassium-ATPase redistribution during ATP depletion, F693
 luminal, IGF absorption, proximal tubules, F624
 Mesangial cells
 Egr-1 induction, PDGF and, F351
 mitogenic signaling, PDGF-mediated, protein kinase C- α effects, F634
 sodium-potassium-ATPase gene expression, T₃ stimulation of, F370
 translocation of PKC isoforms, sodium-hydrogen exchanger activation and, F53
 Microfluorescence, ANP-induced calcium transients, renal cortical thick ascending limb cells, F592
 Microscopy, electron, ultrastructure of inner medullary collecting duct, F225
 Microvasculature, renal, depolarization and, renal arterioles, F677
 Microvilli, ATP-depleted, proximal tubules, F605
 Mineralocorticoids
 action, sodium transport, medullary collecting duct, F159
 calcium and PKC, cortical collecting duct, F569
 receptors: *see* Receptors
 Models, vasopressin response, inner medullary collecting duct, F214
 Motility, bladder, glutamate activation of CV brain areas and, F520
 Muscle cells, vascular smooth, aortic, angiotensin II and EGF in (pig), F239
 Myeloperoxidase, renal ischemic injury, F130
- ## N
- Nephrectomy, unilateral, compensatory growth after, endothelial cell proliferation, F712
 Nephrolithiasis, calcium oxalate, citrate and calcium effects, F784
 Nephrosis, adriamycin, adaptation to proteinuria in, F257
 Neurons, CV-reactive brain areas, glutamate activation of bladder motility, F520
 Nifedipine, depolarization, intracellular calcium and, renal arterioles, F677
 Nitric oxide
 adenosine interactions, kidney, F651
 renal
 hemodynamic response and, reduced perfusion pressure, F886
 ischemic injury, F130

renin secretion and, renal juxtaglomerular cells, F180

O

OMCD cells: *see* Kidney cells, outer medullary collecting duct
 Omeprazole, hydrogen-potassium-ATPase and, inner medullary collecting duct, F698
 Oncocytoma, kidney and, anion exchanger 1, F813
 Oocytes, *Xenopus*, 11 β -hydroxysteroid dehydrogenase, F896
 Organogenesis, glomerular receptor subtypes, renal development, F264
 Osmolarity, urea transport stimulated by, inner medullary collecting duct, F272
 Osteosarcoma cells, 22-oxacalcitriol in (chick), F705
 22-Oxacalcitriol, osteosarcoma cells (chick), F705
 Oxidation, amino acid turnover, adriamycin nephrosis, F257
 Oxygen radicals, renal ischemic injury, F130
 Oxytocin
 apical sodium conductance, cortical collecting duct, F487
 calcium mobilization mediated by, kidney medulla, F15
 water permeability and, inner medullary collecting duct, F26

P

Parabrachial nucleus, neurons, glutamate activation of bladder motility, F520
 Paramedial reticular nucleus, neurons, glutamate activation of bladder motility, F520
 Parathyroid hormone
 calcium transport dependent on, vitamin D₃ effects, distal convoluted tubule cells, F300
 inorganic phosphate transport sensitive to, renal brush-border membrane (chick), F822
 Parvocellular reticular nucleus, neurons, glutamate activation of bladder motility, F520
 PDGF: *see* Platelet-derived growth factor
 Permeability
 water
 osmotic aquaporin CHIP, F463
 osmotic, Henle thin limb (chinchilla), F863
 oxytocin and vasopressin regulation of, inner medullary collecting duct, F26

pH

bone carbonate, response to metabolic acidosis, F530
 cell
 hydrogen-potassium-ATPase in inner medullary collecting duct, F698
 potassium-hydrogen antiporter regulation of, renal epithelial cells (opossum), F773
 intracellular
 alkali treatment effects, OMCD cells, F729
 phosphate depletion effects on sodium-hydrogen antiporter, kidney cells, F440
 sodium-hydrogen exchanger isoform and, renal brush border, F736

Phloretin, transport by urea pathway, terminal inner medullary collecting duct, F385
 Phlorizin, binding, Fanconi's syndrome, F839
 Phosphate
 depletion, sodium-hydrogen antiporter and, renal cell line, F440
 inorganic
 renal and intestinal transport, phosphonoformic acid effects, F756
 transport, renal brush-border membranes (chick), F822
 transport
 gentamicin exposure effects, kidney, fetus, F807
 oxidant-induced alterations, LLC-PK₁ cells, F377
 Phosphatidylcholine, phospholipase C directed by, complement C5b-9 and, F551
 Phospholipase C, phosphatidylcholine-directed, complement C5b-9 and, F551
 Phospholipases, regulation of sodium-potassium-ATPase and, kidney, F743
 Phospholipids, regulation of sodium-potassium-ATPase and, kidney, F743
 Phosphonocarboxylic acids, transport, intestine and kidney, F756
 Phosphonoformic acid, adaptive response and, renal and intestinal inorganic phosphate transport, F756
 PKC: *see* Protein kinase C
 Plasma, flow, renal, acetylcholine effects, muscarinic receptors and, F46
 Platelet-derived growth factor
 Egr-1 induction by, mesangial cells, F351
 mitogenic signaling mediated by, protein kinase C- α effects, mesangial cells, F634
 Polymerase chain reaction
 sodium-calcium exchanger, kidney, F327
 sodium-calcium exchanger isoforms, expressed in kidney, F598
 Polyphosphoinositides, role in ATP-depletion, proximal tubules, F605
 Potassium
 inorganic phosphate transport dependent on, renal brush-border membrane (chick), F822
 ion concentration changes, during regulatory volume decrease, F77
 Potassium-hydrogen antiporter, pH regulation, renal epithelial cells (opossum), F773
 Potentials, transmembrane, cell pH regulation by potassium-hydrogen antiporter (opossum), F773
 Pregnancy: *see also* Fetus
 endothelial modulation, renal interlobar arteries, F309
 Pressure: *see also* Blood pressure
 arterial, dynamic short-term coupling during, F717
 Prostaglandins
 acetylcholine and, renal response, F46
 renal hemodynamic response and, reduced perfusion pressure, F886
 sodium transport and, inner medullary collecting duct, F159
 synthesis, macula densa and, F578
 vascular interactions with thromboxane, developing hypertension, kidney, F250

Prostaglandin E₂
 endothelin receptor effects, inner medullary collecting duct, F670
 receptors: *see* Receptors
 Prostanoids, vascular interactions, developing hypertension, kidney, F250
 Protein kinase, regulation of sodium-potassium-ATPase and, kidney, F743
 Protein kinase C
 activation, calcium and, cortical collecting duct, F569
 complement C5b-9 activation, phospholipase C, F551
 isoforms, sodium-hydrogen exchanger activation and, mesangial cells, F53
 sodium-potassium-ATPase activity, adrenergic receptor effects, distal convoluted tubule cells, F561
 Protein kinase C- α , involvement, PDGF-mediated mitogenic signaling, mesangial cells, F634
 Proteins
 channel-forming integral membrane, F463
 CHIP28 water channel, Henle thin limb (chinchilla), F863
 dietary, modulation of angiotensin II receptors by, F660
 membrane, sodium-hydrogen exchanger isoform and, renal brush border, F736
 synthesis, aortic vascular smooth muscle cells (pig), F239
 water channel, F461
 Proteinuria, adaptation to, adriamycin nephrosis, F257

R

Radioligands, binding, renal ANP receptors, heart failure, F119
 Receptors
 adenosine, disparate effects, intrarenal blood flow, F802
 adenosine A₁, vasoconstriction mediated by, kidney, F651
 α_2 -adrenergic, sodium-potassium-ATPase activity, distal convoluted tubule cells, F561
 angiotensin
 sites in renal vasculature, developing genetic hypertension, F853
 subtypes, hydronephrotic kidney, F881
 angiotensin II, modulation by low-protein feeding, F660
 angiotensin II subtypes, glomerular, kidney development and, F264
 ANP, glomerular and papillary, experimental heart failure, F119
 endothelin, function in inner medullary collecting duct, F670
 mineralocorticoid, *Xenopus* oocytes, F896
 muscarinic, renal response to acetylcholine and, F46
 prostaglandin E₂, water and sodium transport, cortical collecting duct, F643
 Renin
 distribution, direct visualization of, kidney, F151
 low-protein feeding, modulation of angiotensin II receptors by, F660
 plasma, glomerular and tubular function, F504
 release, osmotically sensitive, juxtaglomerular cells, F87

Renin (*continued*)

- secretion
 - adrenergic regulation, hypotension, F686
 - macula densa-stimulated, prostaglandin synthesis inhibition on, F578
 - macula densa-stimulated, adenosine and angiotensin effects, F187
 - nitric oxide and, renal juxtaglomerular cells, F180
 - TGF- β and, F530
- Renin-angiotensin system, renal, diabetes, F477
- Resistance, renal vascular, genetic hypertension, F853
- Reverse transcription-polymerase chain reaction, glomerular and epithelial cells, endothelin-1 mRNA in, F542
- Ribonucleic acid, messenger, sodium-potassium-ATPase isoforms, kidney, F792

S

- Sch-28080, bafilomycin-sensitive hydrogen secretion and, bladder (turtle), F174
- Serotonin
 - adenosine-nitric oxide interaction, kidney, F651
 - stimulation of sodium-hydrogen exchanger, mesangial cells, F53
- Signaling, intracellular, sodium-potassium-ATPase activity, kidney, F743
- Signal transduction
 - PDGF-mediated, protein kinase C- α effects, mesangial cells, F634
 - TGF- β 1, kidney cells, F584
- Sodium
 - conductance, apical, oxytocin effects, cortical collecting duct, F487
 - excretion, renal, acetylcholine effects, muscarinic receptors and, F46
 - ion concentration changes, during regulatory volume decrease, F77
 - reabsorption, angiotensin II effects, renal cortex, F195
 - transport
 - ATP depletion and, F693
 - calcium and PKC in, cortical collecting duct, F569
 - epinephrine inhibition of, cortical collecting duct, F449
 - medullary collecting duct, hormonal regulation, F159
 - prostaglandin effects, cortical collecting duct, F643
- Sodium azide, protection, ischemia-induced renal failure, F130
- Sodium-bicarbonate cotransporter
 - basolateral, stimulation by angiotensin II, renal cortex, F195
 - regulation, proximal convoluted tubules, F511
- Sodium-calcium exchanger
 - immunolocalization of, kidney, F327
 - isoforms, kidney, F598
- Sodium channel
 - apical membrane conductance, oxytocin effects, cortical collecting duct, F487
 - calcium and PKC, cortical collecting duct, F569
- Sodium chloride, renin secretion, macula densa-stimulated, prostaglandin synthesis inhibition on, F578
- Sodium chloride cotransport, adrenergic

- receptor effects, distal convoluted tubule cells, F561
- Sodium-chloride transport, insulin stimulation of, nephron, F361
- Sodium-hydrogen antiporter, phosphate depletion effects, renal cell line, F440
- Sodium-hydrogen exchanger
 - activation of, mesangial cells, F53
 - isoform, renal brush border, F736
- Sodium ions, transport, thyroid hormone effects, renal brush border, F323
- Sodium-phosphate cotransport, gentamicin exposure effects, kidney, fetus, F807
- Sodium-potassium-ATPase
 - activity
 - adrenergic receptor effects, distal convoluted tubule cells, F561
 - renal, short-term regulation of, F743
 - α - and β -isoforms, kidney, F792
 - apical, ATP depletion and, F693
 - cystine loading and, Fanconi's syndrome, F839
 - gene expression, T₃ stimulation of, mesangial cells, F370
 - phosphate depletion and, kidney cells, F440
 - Solutes, transport, thyroid hormone effects, renal brush border, F323
- Steroid, metabolism, *Xenopus* oocytes, F896
- Sucrose, ion concentration changes, during regulatory volume decrease, F77
- Sulprostone, prostaglandin E₂ effects and, sodium and water transport, cortical collecting duct, F643
- Sympathectomy, adrenergic regulation of renin, hypotension, kidney, F686

T

- Taurine, transport, renal epithelial cell lines, F137
- TGF- β : see Transforming growth factor- β
- Thromboxane
 - adenosine-nitric oxide interaction, kidney, F651
 - vascular interactions with prostaglandins, developing hypertension, kidney, F250
- Thromboxane A₂, hydronephrotic kidneys, F96
- Thymidine, hydrogen-3-labeled-, aortic vascular smooth muscle cells (pig), F239
- Thyroid hormones
 - solute transport, renal brush border, F323
 - stimulation, sodium-potassium-ATPase gene expression mesangial cells, F370
- Transcaltachia, 22-oxacalcitriol, osteosarcoma cells (chick), F705
- Transforming growth factor- β , renin secretion and, F530
- Transforming growth factor- β 1, regulation, signal transduction in renal cells, F584
- Transplantation, posttransplantation hypertension, source of grafted kidney effects, F104
- 3,3',5'-Triiodothyronine, stimulation, sodium-potassium-ATPase gene expression mesangial cells, F370
- T₃: see 3,3',5'-Triiodothyronine

U

- Urea
 - ion concentration changes, during regulatory volume decrease, F77
 - permeability, vasopressin regulation, inner medullary collecting duct, F214
 - transport
 - dynamics, inner medullary collecting duct, F204
 - osmolarity-stimulated, inner medullary collecting duct, F272
- Urinary bladder
 - hydrogen secretion, Sch-28080 and bafilomycin inhibition (turtle), F174
 - motility, CV brain areas in, F520
- Urinary tract, obstruction, hydrogen-potassium-ATPase in distal tubular acidosis, F875
- Urine, formation, dynamic short-term coupling during, F717

V

- Vagus nerve, glutamate activation and, bladder motility, F520
- Vasa recta, microinfusion, basic amino acid transport, F830
- Vascular reactivity, renal interlobar arteries, pregnancy, F309
- Vasoconstriction, adenosine receptor-mediated, with nitric oxide and angiotensin II, kidney, F651
- Vasodilation, pressure-dependent, EDRF effects, F285
- Vasodilators, cAMP-mediated, angiotensin II, kidney during hypertension, F845
- Vasopressin
 - apical sodium conductance, cortical collecting duct, F487
 - calcium and PKC, cortical collecting duct, F569
 - calcium mobilization mediated by, kidney medulla, F15
 - changes, ultrastructure of inner medullary collecting duct, F225
 - intracellular calcium and, medullary collecting tubules, F35
 - sodium and water transport stimulated by, epinephrine inhibition, cortical collecting duct, F449
 - transport by urea pathway, terminal inner medullary collecting duct, F385
 - urea transport, intracellular calcium role in, IMCD, F272
 - urea transporters and water channel activation, inner medullary collecting duct, F204
 - water and urea regulation by, collecting duct, model, F214
 - water permeability and, inner medullary collecting duct, F26
- Vasopressin, arginine
 - cAMP accumulation induced by, endothelin and, inner medullary collecting duct, F126
 - cross potentiation, insulin and sodium-chloride transport, nephron, F361
 - stimulation of sodium-hydrogen exchanger, mesangial cells, F53
- Ventrolateral medulla, neurons, glutamate activation of bladder motility, F520
- Vitamin D₃, PTH-dependent calcium transport and, distal convoluted tubule cells, F300
- Vitamin D analogues, 22-oxacalcitriol, osteosarcoma cells (chick), F705

Voltage, inorganic phosphate transport dependent on, renal brush-border membrane (chick), F822

Volume
cell, regulatory decreases, renal cells, F77
expansion, transplanted heart recipients, F112

fluid, extracellular, angiotensin II effects, renal cortex, F195

W

Water

channel-mediated transport, aquaporin CHIP, F463

permeability

ultrastructure of inner medullary collecting duct, F225

vasopressin regulation, inner medullary collecting duct, F214

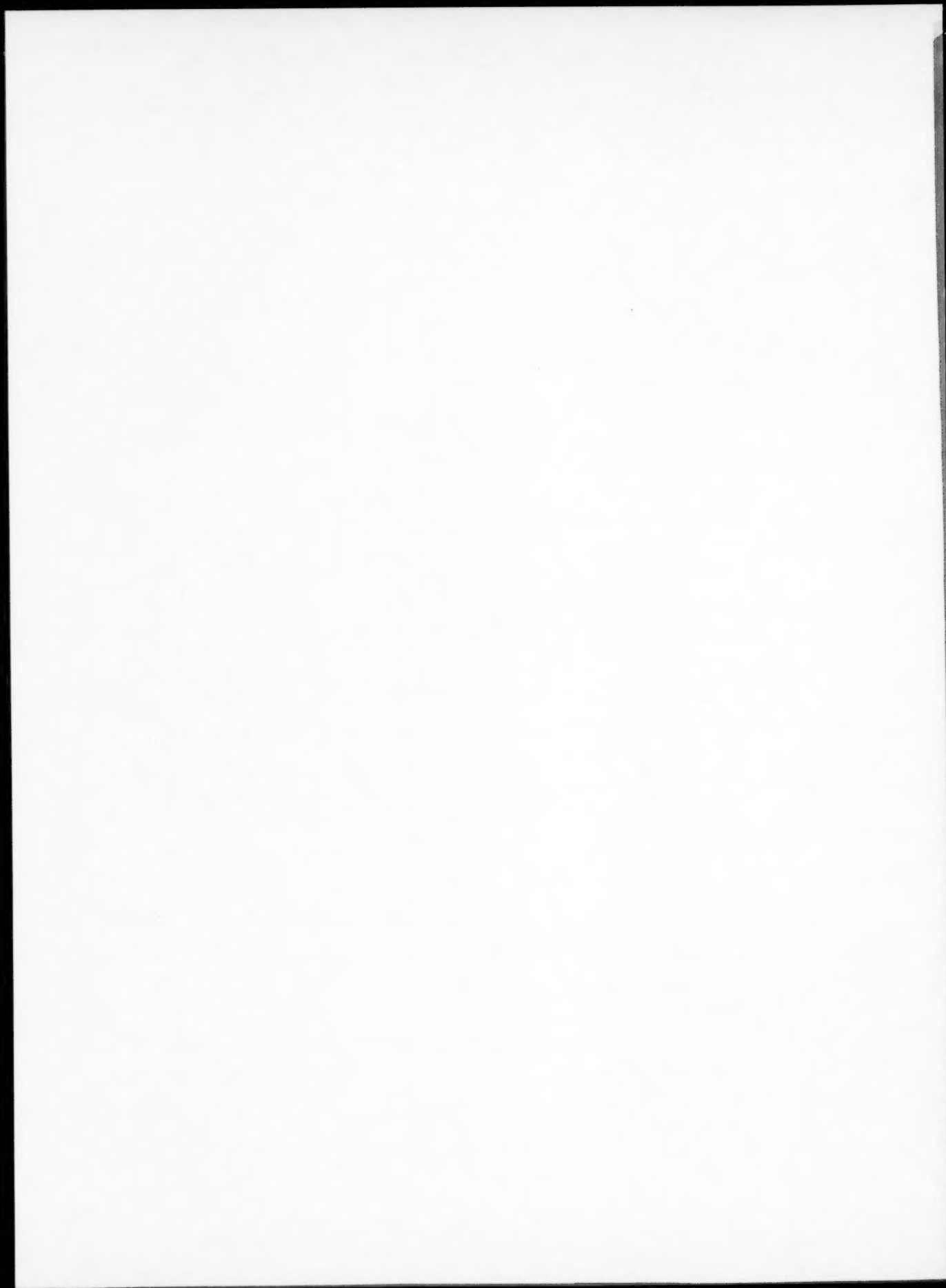
transport

calcium and PKC in, cortical collecting duct, F569

dynamics, inner medullary collecting duct, F204

epinephrine inhibition of, cortical collecting duct, F449

prostaglandin effects, cortical collecting duct, F643



Author Index to Volume 34

- Abboud, H. E., F634
 Abe, J., F705
 Aberdeen, G. W., F278
 Abrahams, S. L., F130
 Abrahamson, D. R., F293
 Abu-Alfa, A., F736
 Agmon, Y., F802
 Agre, P., F461, F463
 Ahn, K. Y., F792
 Anderson, R. J., F584
 Anderson, S., F477
 Andreoli, S. P., F377
 Antonipillai, I., F537
 Appelhans, H., F813
 Arendshorst, W. J., F250, F845, F853
 Aronson, P. S., F736
 Asano, Y., F370
 Ayers, K. M., F130
 Bading, B., F686
 Bagby, S. P., F239
 Bailey, J., F257
 Bakke, A. C., F239
 Balakrishnan, V. S., F504
 Barber, L. E., F822
 Bargiello, T., F764
 Barrett, R. J., F651
 Bashan, N., F839
 Basic, M. M., F440
 Beers, K. W., F323
 Béliveau, R., F316
 Bell, P. D., F569, F677
 Benabe, J. E., F660
 Ben-Nun, A., F839
 Bertorello, A. M., F743
 Bidani, A. K., F391
 Biemesderfer, D., F327, F736
 Biswas, P., F634
 Blumenfeld, J. D., F686
 Boivin, D., F316
 Borkan, S. C., F333
 Brand, P. H., F717
 Breckon, R., F584
 Breyer, M. D., F643
 Brezis, M., F802
 Briggs, J. P., F187, F542, F578
 Britton, S. L., F717
 Brosius, F. C., F542
 Brown, D. M., F886
 Bushinsky, D. A., F530
 Canguilhem, B., F112
 Cao, X., F542
 Carmines, P. K., F677
 Casellas, D., F151
 Cavarape, A., F285
 Cha, S. C., F278
 Chabardes, D., F361
 Chai, C. Y., F520
 Champigneulle, A., F35
 Chatziantoniou, C., F250, F845, F853
 Chen, L., F569
 Chen, M., F542
 Chen, S. Y., F520
 Cheng, C. L., F520
 Chesney, R. W., F137
 Choi, E.-J., F257
 Chou, C.-L., F863
 Chrispeels, M. J., F461
 Christensen, E. I., F624
 Ciuffo, G. M., F264
 Clark, N. B., F822
 Cohen, H. T., F399
 Cohen, L. H., F70
 Cohen-Luria, R., F839
 Coleman, B. R., F46
 Coleman, D. L., F351
 Coles, G. A., F504
 Conrad, K. P., F309
 Corbitt, B. D., F569
 Coric, V., F822
 Curthoys, N. P., F723
 Cybulsky, A. V., F551
 Cyr, M.-D., F551
 Dafnis, E., F875
 Dai, L.-J., F592
 Dantzer, W. H., F830
 Davies, R. W., F70
 Davis, J. A., F605
 de Groat, W. C., F520
 Delpire, E., F416
 Denault, D. L., F896
 de Rouffignac, C., F361
 Dinour, D., F802
 Dixon, A., F257
 Dousa, T. P., F323
 Drenckhahn, D., F813
 Droppleman, D. A., F651
 Dupont, M., F151
 Eguchi, J., F712
 Eiam-Ong, S., F195, F875
 Eisenmann, B., F112
 El-Dahr, S. S., F146
 Emami, A., F333
 Endlich, K., F285
 Euzet, S., F807
 Exner, M., F736
 Farach-Carson, M. C., F705
 Feingold, K. R., F70
 Fejes-Tóth, G., F896
 Fields, A. P., F53
 Firsov, D., F361
 Flyvbjerg, A., F624
 Foellmer, O., F440
 Follenius, M., F112
 Fowler, B. C., F569, F677
 Fredin, D., F643
 Friedman, P. A., F300
 Ganz, M. B., F53
 Garza-Quintero, R., F605
 Geny, B., F112
 Gesek, F. A., F300, F561
 Ghosh Choudhury, G., F634
 Gibson, C. C., F15
 Gill, J. R., Jr., F46
 Gillin, A. G., F272, F385
 Gingras, D., F316
 Graber, M., F773
 Grandalano, G., F634
 Green, J., F440
 Greenberg, S. G., F578
 Griffin, K. A., F391
 Griggs, K. C., F309
 Grynepas, M. D., F530
 Guggino, W. B., F463
 Guidet, B., F435
 Gulbins, E., F96
 Gullans, S. R., F416
 Haberey, P., F112
 Hamm, L. L., F406
 Hammerman, M. R., F1
 Han, J. S., F15, F26
 Haramati, A., F119
 Hawk, C. T., F449
 Hayashi, K., F881
 Hayashi, M., F729
 Hazen, R. J., F130
 He, X.-R., F187, F578
 Hébert, R. L., F643
 Hess, B., F784
 Heuson-Stiennon, J.-A., F425
 Hilden, S. A., F195
 Hisamatsu, H., F712
 Hoeffler, J. P., F584
 Hoffend, J., F285
 Hoffman, A., F119
 Holden, W. E., F239
 Horton, R., F537
 Hübner, S., F813
 Hughes, A. K., F126, F670
 Hughey, R. P., F723
 Igarashi, P., F736
 Igawa, T., F61, F712
 Ikeda, U., F370
 Imai, M., F511
 Imbert-Teboul, M., F35
 Inagami, T., F151
 Ingelfinger, J. R., F477
 Inoue, T., F487
 Iyori, M., F729
 Jacobsen, C., F624
 Jacobson, H. R., F643
 Jaeger, P., F784
 James, G. D., F686
 Jensen, B. L., F87
 Johns, C. A., F195
 Joles, J. A., F70
 Jones, D. P., F137
 Jones, H., Jr., F70
 Jung, F. F., F477
 Jung, J. S., F463
 Kahana, L., F119
 Kanda, S., F61, F712
 Kanetake, H., F712
 Kaskel, F. J., F151
 Katz, A. I., F399, F743
 Kawakami, K., F370
 Kaysen, G. A., F70
 Keiser, H., F46
 Keiser, J. A., F542
 Kempson, S. A., F377
 Khoury, R., F705
 Killen, P. D., F542
 Kirk, E. A., F239
 Kleeman, C. R., F440
 Kleinman, J. G., F698
 Knepper, M. A., F15, F26, F204, F214, F225, F863
 Kofuji, P., F598
 Kohan, D. E., F126, F670
 Kohn, O. F., F174
 Kollert-Jöns, A., F813
 Kone, B. C., F792
 Kopf, D., F104
 Kroshian, V. M., F342
 Kudo, L. H., F449, F569
 Kuo, J. S., F520
 Kurokawa, K., F487
 Kurtz, A., F180
 Kurtzman, N. A., F875
 Lacy, J., F351
 Lam, B. C., F530
 Lansky, D. M., F391
 Laragh, J. H., F686
 Laraia, J., F342
 Lattanzi, D., F327
 Laurent, G., F425
 Le, T. H., F537
 Lederer, W. J., F598
 Lelievre-Pegorier, M., F807
 Levi, M., F756
 Lieberthal, W., F342
 Lin, Y.-F., F686
 Loghman-Adham, M., F756
 Lorenz, J. N., F187, F578
 Mackey, K., F309
 Madias, N. E., F195
 Madsen, K. M., F792
 Maeda, Y., F15, F26
 Mandon, B., F361
 Marcell, T., F584
 Maroni, B. J., F257
 Martinez-Maldonado, M., F660
 Masino, S., F342
 Masud, T., F257
 Matsumoto, K., F61
 Mauer, S. M., F886
 May, R. C., F257
 McAteer, J. A., F377
 McDonald, M., F686
 McLaughlin, M. K., F309
 Merlet-Benichou, C., F807
 Mettauer, B., F112
 Metting, P. J., F717
 Miller, L. A., F137
 Miller, S. B., F1
 Mitchell, L. H., F239
 Mitchell, P. P., F174
 Molitoris, B. A., F693
 Moon, C., F463
 Moore, L. C., F151
 Moran, A., F839
 Motock, G. T., F756
 Mukaddam-Daher, S., F278
 Muller, J., F225
 Muto, S., F370
 Nakamura, T., F61
 Nakayama, M., F487
 Náráy-Fejes-Tóth, A., F896
 Naruse, M., F487
 Nelson, L., F425
 Nespeca, R., F530
 Nielsen, S., F204, F214, F225, F463, F624, F863
 Nigam, S. K., F416
 Nishii, Y., F705
 Nishikawa, K., F712
 Nonclercq, D., F425
 Norman, A. W., F705
 Nuwayhid, B. S., F278

- Oguchi, A., F370
Ohara, T., F370
O'Reilly, M. M., F239
Oriji, G., F46
Ørskov, H., F624
Ortega-Lopez, J., F605

Padilla, E., F670
Parikh, V. J., F385
Pastoriza-Munoz, E., F773
Peters, J., F46
Picken, M., F391
Piquard, F., F112
Pizzonia, J., F736
Potashnik, R., F839
Preston, G. M., F463
Pscheidt, R., F698

Quamme, G. A., F592
Quillen, E. W., Jr., F278

Rajj, L., F886
Raina, S., F463
Rauchman, M. I., F416
Rauterberg, E. W., F96
Reilly, R., F736
Reilly, R. F., F327
Renfro, J. L., F822
Rettig, R., F104
Rick, R., F77
Roinel, N., F361
Rouch, A. J., F449, F569
Ruan, X., F845
Rupprecht, H. D., F351

Rusvai, E., F896
Saavedra, J. M., F264
Sabatini, S., F875
Saito, Y., F61, F712
Sakai, H., F712
Saksa, B. A., F53
Sands, J. M., F272, F385
Saruta, T., F729, F881
Sasaki, S., F461
Sato, T., F487
Satoh, T., F399
Saxena, R., F53
Schaefer, A., F112
Schaefer, J. A., F449, F569
Schaudies, R. P., F425
Scherer, S. A., F756
Schlottmann, K., F96
Schnermann, J., F187, F542
Schnermann, J. B., F578
Schricker, K., F180
Schulze, D. H., F598
Schwartz, G. J., F764
Schwartz, J. H., F333, F342
Scott, R. D., F723
Sealey, J. E., F686
Seifert, S. A., F377
Seltzer, A. M., F264
Sessler, N. E., F530
Shah, S. V., F435
Sharrock, N. E., F686
Sheikh, M. I., F624
Sheridan, A. M., F342

Shimada, K., F370
Shugrue, C. A., F327
Shultz, P. J., F886
Siga, E., F35, F361
Silbernagl, S., F830
Skøtt, O., F87, F187
Smart, A., F542
Smith, B. L., F463
Soceneantu, L., F537
Spohn, M., F875
Sponsel, H. T., F584
Star, R. A., F272, F385
Steele, J. E., F717
Steinhausen, M., F96, F285
Steinmetz, P. R., F174
Stenberg, P. E., F239
Sterzel, R. B., F351
St. Germain, D. L., F896
Sukhatme, V. P., F351
Sun, X., F70
Suzuki, H., F881

Taide, M., F712
Takeda, M., F511
Tercyak, A. M., F342
Tipnis, P., F698
Tisher, C. C., F792
Todd-Turla, K., F542
Tolins, J. P., F886
Totzke, M. T., F756
Toubeau, G., F425
Tsuruya, Y., F370
Tsutsumi, K., F264

Ueda, N., F435
Vanden Heuvel, G. B., F293
Van Tol, A., F70
Vassent, G., F35
Venkatachalam, M. A., F605
Viswanathan, M., F264

Wagner, S., F813
Waldherr, R., F104
Wang, S., F660
Wang, S. D., F520
Wang, W.-H., F542
Weihprecht, H., F187
Weinberg, J. M., F605
Weiner, I. D., F406
Wilcox, J. N., F660
Williams, J. D., F504
Winaver, J., F119
Wingo, C. S., F406
Winkler, C. A., F764
Wright, G. C., F705

Yamaji, Y., F729
Yamamoto, K., F370
Yechieli, H., F119
Yoshitake, Y., F712
Yoshitomi, K., F511
Yosipiv, I., F146
Yun, J. C. H., F46

Zanen, J., F425
Zavilowitz, B. J., F764
Zayas, V. M., F686
Zeidel, M. L., F159
Zipperle, L., F784

